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1 Exploiting perception in high-fidelity virtual environments

Additional presentations from the 24th course are available on the citation page

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez

July 2006 **SIGGRAPH '06: ACM SIGGRAPH 2006 Courses**

Publisher: ACM

Full text available: [in pdf\(5.07 MB\)](#) [mov\(68:6 MIN\)](#) Additional Information: full citation, appendices and supplerm
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Bibliometrics: Downloads (6 Weeks): 173, Downloads (12 Months): 1546, Citation Count: 1

The objective of this course is to provide an introduction to the issues that must be consider, when building high-fidelity 3D engaging shared virtual environments. The principles of huma perception guide important development of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

2 Frontiers in electronic media

Kim H. Veltman

July 1997 **interactions**, Volume 4 Issue 4

Publisher: ACM

Full text available: [pdf\(11.63 MB\)](#) Additional Information: full citation, references, cited by, index terms,
review

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 90, Citation Count: 3

3 Content-based UEP: a new scheme for packet loss recovery in music streaming

Ye Wang, Ali Ahmaniemi, David Isherwood, Wendong Huang

November 2003 **MULTIMEDIA '03: Proceedings of the eleventh ACM international conference o**
Multimedia

Publisher: ACM

Full text available: [Spdf1415.11 KB\)](#) Additional Information: full [citation](#), [abstract](#), [references](#), [cited by](#), [index ti](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 55, Citation Count: 1

Bandwidth efficiency and error robustness are two essential and conflicting requirements for streaming media content over error-prone channels, such as wireless channels. This paper describes a new scheme called content-based unequal error protection ...

Keywords: audio coding and streaming, content-based unequal error protection (C-UEP), robustness, packet loss recovery, prioritized resource allocation, user-perceived QoS

4 Scaling and time warping in time series querying

Ada Wai-chee Fu, Eamonn Keogh, Leo Yung Hang Lau, Chotirat Ann Ratanamahatana

August 2005 **VLDB '05: Proceedings of the 31st international conference on Very large data bas**

Publisher: VLDB Endowment

Full text available: [r1 pdf\(541.78 KB\)](#) Additional Information: full citation, abstract, references, cited by, index tt

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 71, Citation Count: 1

The last few years have seen an increasing understanding that Dynamic Time Warping (DIAN technique that allows local flexibility in aligning time series, is superior to the ubiquitous Euc Distance for time series classification, clustering, ...

5 A call for the home media network

Gordon Bell, Jim Gemmell

July 2002 **Communications of the ACM**, Volume 45 Issue 7

Publisher: ACM

Full text available: [in pdf\(283.51 KB\)](#) [A html\(26.70 KB\)](#) Additional Information: full citation, abstract, references, cit index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 127, Citation Count: 6

"The best way to predict the future is to invent it."---Alan Kay "...or at least posit a vision for others to build."---The authors

6 Audio-video automatic speech recognition: an examjle of improved performance throuc multimodal sensor input

Roland Goecke

April 2006 **MMUI '05: Proceedings of the 2005 NICTA-HCSNet Multimodal User Interaci Workshop - Volume 57**, Volume 57

Publisher: Australian Computer Society, Inc.

Full text available: [in pdf\(221.68 KB\)](#) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 52, Citation Count: 0

One of the advantages of multimodal HCI technology is the performance improvement that gained over conventional single-modality technology by employing complementary sensors i different modalities. Such information is particular useful in practical, ...

Keywords: 3D stereo lip tracking, audio-video speech processing

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